

### **Selected Publications:**

Brophy, C.M., Sinibaldi, J.O., and Damphousse, P., "Initiator Performance for Liquid-Fueled Pulse Detonation Engines," AIAA 2002-0472, AIAA ASM, January, 2002.

Searles, S.D., Brophy, C.M., Sinibaldi, J.O., and Netzer, D., "Sooting Characteristics of JP8, JP8+100, and JP10 on a Liquid Rocket Engine," 36th JANNAF Combustion Subcommittee, San Antonio, Texas, November 2001

Brophy, C.M., Sinibaldi, J., Netzer, D.W., and LT Neil Sexton, "Fuel/Air Initiator Development for Pulse Detonation Engines," 18th ICDRS Meeting, Seattle, WA, 2001.

Brophy, C.M., Sinibaldi, J.O., and Netzer, D.W., "Effects of Fuel Distribution on Pulse Detonation Engine Operation and Performance," ISABE Paper 2001-1173, 25th ISABE Conference, Bangalore, India, 2001

Brophy, C.M., Sinibaldi, J. "Operation of a JP10/Air Pulse Detonation Engine", Joint Propulsion Conference, AIAA 2000-3591, Huntsville, Alabama, 2000.

Brophy, C.M., Sinibaldi, J.O., and Netzer, D.W., "Detonation of a JP-10/Aerosol for Pulse Detonation Applications" *International Colloquium on the Control of Detonation Processes*, Moscow July 4-7, 2000.

Venner, M., Brophy, C.M., Johnson, C., and Smith, T., "Signature Characterization of a Small Liquid Rocket Engine Burning Various Kerosene Based Fuels" MSS Symposium, N. Charleston, SC, January 2000.

Brophy, C.M., and Hawk, C.W., "Cold Flow Imaging of CH<sub>4</sub> Air Mixing in a Four-inlet Ducted Rocket Engine Combustor," *Journal of Flow Visualization and Image Processing*, Vol. 6, No. 1, 1999.